Name	Date	Class
Practice B		
2-1 Using Inductive Reas	soning to Make Co	onjectures
Find the next item in each pattern.		a z
1. 100, 81, 64, 49,	2. (5) , (6)	5),
3. Alabama, Alaska, Arizona,	4. west, south,	east,
Complete each conjecture. 5. The square of any negative number	· is	
6. The number of diagonals that can b that has <i>n</i> vertices is	e drawn from one vertex	
Show that each conjecture is false by	finding a counterexam	ple.
7. For any integer n , $n^3 > 0$.		
8. Each angle in a right triangle has a different measure.	,	
9. For many years in the United States of different bills led to widespread consignificant fraction of the currency in soldier had 48 bills, 16 of which were 13 of which were counterfeit, make a counterfeit at the time of the Civil Walls	ounterfeiting. By the time of circulation was counterfeit and another a conjecture about what fra	f the Civil War, a t. If one Civil War soldier had 39 bills,
Make a conjecture about each pattern	. Write the next two iter	ne
10. 1, 2, 2, 4, 8, 32,	11.	